



**2017 DES SUMMER INTERNSHIP OPPORTUNITIES**  
**Application Deadline March 15, 2017**

<u>INTERNSHIPS</u>	<u>GENERAL DESCRIPTION</u>
<b>GENERAL AND ENVIRONMENTAL INTERNSHIPS:</b> <i>General and Environmental Internships at Labor Grade(LG) 4 do not have specific experience certification requirements. The education and or experience certification requirements for General and Environmental Internships at Labor Grade 5 and 7 are noted in the specific descriptions below.</i>	
<b>PUBLIC RELATIONS &amp; ENVIRONMENTAL COMMUNICATIONS</b>  <b>TMPPT5341</b> (LG 4 / \$11.47 per hour ) 35 hrs. per week for 12 weeks	Learn what it's like to work in a busy and large state agency, as you gain real world experience in communications and public/media relations. This position will assist with the writing and contribute to press releases and articles, newsletters, and other publications. You will gain broad experience working with most program areas of NHDES. You will be involved with special projects, social media, website development, marketing, video/photography, environmental education and outreach activities. At the conclusion of this internship, you will have built a professional portfolio of articles you have written for publication in various newsletters.
<b>AIR QUALITY</b>  <b>TMPPT5342</b> (LG 4 / \$11.47 per hour) 35 hrs. per week for 12 weeks	Learn about air pollution monitoring and data analysis techniques as you work as an integral part of a team performing data analysis and trajectory modeling for air pollution, including ozone, wood smoke and speciated visibility data. Utilize the EPA Valley Identification and Profile Tools to identify communities at risk for wood smoke impairment and then visit those communities to take an inventory of wood burning indicators. Complete a report summarizing your findings. Attention to detail, writing, reporting and oral presentation will be stressed. Basic Word and Excel skills required.
<b>AIR COMPLIANCE ASSESSMENT</b>  (LG 4 / \$11.47 per hour ) 35 hrs. per week for 12 weeks	This internship will support the NHDES mission to improve air quality and public health by encouraging environmental compliance and stewardship of state sources of air pollution. Summer months are the height of open burning activities at campgrounds and high Ozone season VOC emissions. Assist citizens in their understanding of the rules and application of measures that help protect the air we breathe. Work as part of a team, use your negotiation skills, and hone your technical and investigative skills. Specific responsibilities include: identifying and inspecting open burning activities at state and private campgrounds, and commercial sources of VOC emissions such as print shops; interfacing with the public and commercial entities to provide compliance assistance and distribute outreach and educational materials; compiling data collected; and assessing the effectiveness of current compliance assistance efforts. At the conclusion of this

	internship, you will develop a final report documenting findings and recommendations for future compliance assistance and outreach and education efforts.
<b>SMALL QUANTITY GENERATOR PROGRAM</b>  <b>TMPPT5344</b> <b>(LG 4 / \$11.47 per hour)</b> <b>35 hrs. per week for 13 weeks</b>	Gain experience learning about the Resource Conservation and Recovery Act (RCRA) for hazardous waste management and travel throughout the state visiting small businesses, observing and learning about a wide variety of manufacturing processes and companies within NH. Have the opportunity to become trained as a certified Hazardous Waste Coordinator. You will conduct follow up visits at Small Quantity Hazardous Waste Generator facilities (i.e., businesses that produce hazardous waste) primarily in Rockingham and Strafford counties to verify compliance with the hazardous waste rules. You will learn how to observe and document findings as well as provide compliance assistance. Excellent interpersonal, communication, computer and writing skills required.
<b>WATER USE</b>  <b>SNL2583</b> <b>(LG 4 / \$11.47 per hour)</b> <b>22.5 hrs. per week for 12 weeks</b>	The Water Use Registration and Reporting Program collects and maintains water use data from all major water users in the state for water resource management purposes. You will assist with the collection of accurate and complete data. You will be responsible for scheduling site visits and visiting facilities across the state to confirm water use types and document water measurement methods. You will also be responsible for summarizing observations from field visits for follow up by the program supervisor, populating water use data submitted by registered facilities, and performing quality control initiatives associated with maintaining a statewide database. There will also be opportunities to join other interns and staff in the field for a varied experience. Attention to detail and good verbal communication skills are a must. Basic Word and Excel skills are required.
<b>PUBLIC POOL &amp; SPA</b>  <b>(2 positions available )</b>  <b>TMPPT5357 / TMPPT5359</b> <b>(LG 4 / \$11.47 per hour)</b> <b>35 hrs. per week for 14 weeks</b>	Inspect Public Bathing Facilities (PBF's) and collect water samples in order to ensure compliance with NHDES rules. Draw upon a wide variety of scientific disciplines including chemistry, microbiology, and physics, and gain experience with field inspections, public/environmental health and safety, water analysis, laboratory procedures, scientific reporting, data management, regulatory compliance, conflict resolution, and effective communication. Interact with pool owners on compliance issues and compile data into the program database. The unique variety of experiences provided in this position will provide an opportunity to identify areas of interest that might not otherwise have been considered. Excellent interpersonal and communication skills required.

<b>STREAM BIOLOGY</b> <b>(2 positions available)</b> <b>TMPPT5351 / TMPPT5352</b> <b>(LG 4 / \$11.47 per hour)</b> <b>35 hrs. per week for up to 18 weeks</b>	<p>Gain field and data experience learning about the Federal Clean Water Act, the development of water quality analysis and criteria (numeric nutrient and temperature criteria), and biological assessments. Assist with extensive field work as part of a 2-4 person crew, including sampling and the collection of biological (fish and macroinvertebrates), chemical, and physical data from streams and rivers state wide. Field work includes working under strenuous conditions, and operation of complex and heavy equipment. Assist with compiling field data collected throughout the summer and early fall.</p>
<b>RIVER MONITORING</b> <b>(2 positions available)</b> <b>TMPPT5319 / TMPPT5320</b> <b>(LG 4 / \$11.47 per hour)</b> <b>35 hrs. per week for up to 16 weeks</b>	<p>Gain experience in conducting scientifically valid field research, assisting with water quality monitoring programs such as the River Trend and Synoptic Monitoring Programs, Complaint Investigations, Total Maximum Daily Load studies, development of water quality criteria, and the Volunteer River Assessment Program. These interns will have over 60 full days of field work involving the deployment of multiparameter dataloggers, development of temperature criteria, biomonitoring, and other environmental data collection efforts. Office duties include maintenance of complex field equipment, data management, water sample submission and planning of field operations. These interns will also work on joint projects with the Jody Connor Limnology Center, the Volunteer River Assessment Program and the federal Clean Water Act 305b &amp; 303d water quality assessments.</p>
<b>FRESHWATER BEACHES</b> <b>TMPPT5348</b> <b>LG 4 / \$11.47 per hour)</b> <b>35 hrs. per week for up to 16 weeks</b>	<p>Gain experience related to water quality monitoring, database management and data quality control and procedures, conducting fresh water beach inspections and working with fellow staff in the field and office. You will conduct 168 inspections of freshwater beaches on a monthly basis to make sure public beaches are free from toxins and are safe for swimmers. Collect samples for water quality monitoring, quality control requirements and standard operating procedures, and cyanobacteria. Interact with town officials, the public and the media on problem areas.</p>
<b>COASTAL BEACHES</b> <b>TMPPT5349</b> <b>(LG 4 LG 4 / \$11.47 per hour)</b> <b>35 hrs. per week for up to 16 weeks</b>	<p>Gain valuable experience with the tiered monitoring protocol of the Environmental Protection Agency (EPA), conducting coastal beach inspections to determine if beaches meet state standards provided in the BEACH guidance manual. You will inspect 16 coastal beaches during the summer for a total of 24 inspections each week. Five or six coastal beaches will be scheduled for inspection Monday through Thursday, with Friday inspections of those beaches with advisories. Work with fellow staff in the field and office on water quality monitoring, database management and program goals.</p>

<p><b>CYANOBACTERIA RESEARCH &amp; MONITORING</b></p> <p><b>TMPPT5317</b>  <b>(LG 4 /\$11.47 per hour)</b>  <b>35 hrs. per week for up to 16 weeks</b></p>	<p>NHDES is responsible for monitoring and assessing over 200 public bathing places to protect the health of citizens using these locations. This position will focus on processing cyanobacteria samples from beaches and from drinking water sources. You will respond to harmful algal blooms reports, process samples for the determination of health risks, and complete public notifications when toxin levels are above safe levels. You will learn how to identify cyanobacteria, enumerate bacteria concentrations, and process samples for the detection of toxins produced by cyanobacteria. You will learn field and laboratory procedures for cyanobacteria monitoring and will assist in the routine beach inspections for coastal and inland waters when needed.</p>
<p><b>EXOTIC SPECIES</b></p> <p><b>(2 positions available)</b></p> <p><b>(LG 4 /\$11.47 per hour)</b>  <b>TMPPT5354</b>  <b>35 hrs. per week for up to 15 weeks</b>  <b>TMPPT5309</b>  <b>35 hrs. per week for 24 weeks</b></p>	<p>Learn valuable skills in a well-rounded mix of field, laboratory and office activities related to freshwater biology and invasive aquatic species mapping and management, and become proficient in field and laboratory sampling related to freshwater biology and invasive aquatic species. Perform outreach and education activities, report writing and data entry activities. Field work will focus on lakes and ponds and includes working on a variety of boats to perform surveys of exotic aquatic plants and other aquatic life using GPS equipment, underwater cameras, and sonar devices. Laboratory work includes performing a variety of bench top analyses for lake and tributary water quality samples, preparing plant samples for identification and preparing herbarium specimens. Office work includes assisting with the preparation of long-term management plans for water bodies with exotic aquatic plants, performing data entry and management tasks, preparing presentations and education materials for outreach activities and some work in GIS to prepare maps for management plans and efforts.</p>
<p><b>LAKE QUALITY</b></p> <p><b>(LG 4/ \$11.47 per hour)</b></p> <p><b>TMPPT5356</b>  <b>35 hrs. per week for 12 weeks</b></p>	<p>Gain field and laboratory experience working with citizen scientists to collect and analyze water quality data at lakes throughout the state for the Volunteer Lake Assessment Program (VLAP). Data gathered are utilized to assess lake health and develop long term data sets to be utilized for state and federal reporting requirements, development of TMDLs and watershed management plans, and to inform and evaluate state water quality criteria. This internship involves both scientific skills and interaction with the public to evaluate citizen science performance and educate the public on basic principles of lake ecology and limnology. You will visit approximately 60 lakes over the course of the summer to collect water quality data, train and evaluate citizen scientists, and analyze water quality samples performing multiple bench top analyses in the Jody Connor Limnology Center. Data generated are subject to weekly quality assurance and quality control checks (QA/QC), entered into the Environmental Monitoring Database, and distributed monthly to citizen science groups.</p>

<p><b>WETLANDS SAMPLING</b></p> <p><b>TMPPT5318</b>  (LG 4 /\$11.47 per hour)  <b>35 hrs. per week for 14 weeks</b></p>	<p>Learn about the monitoring of wetlands, field sampling techniques (water and macroinvertebrate), plant identification, and the use of GIS while gaining additional skills working in a team-based field environment. You will provide technical assistance for wetlands field sampling and pre and post sampling activities. Duties include preparing equipment and materials for field sampling, conducting environmental sampling from boat or on foot, data entry, and use of GIS to create maps and analyze spatial data. In addition to water sampling, work involves the collection of macroinvertebrate samples, assisting in the identification of plants, and collection of information about the landscape. This internship involves extensive field work. Prior knowledge of GIS, wetland plant identification and water sampling techniques would be an asset.</p>
<p><b>ACCOUNTING</b></p> <p><b>TMPPT5310</b>  (LG 5 / \$11.80 per hour)  <b>35 hrs. per week for up to 12 weeks</b></p>	<p>Assist staff with all day-to-day accounting functions as well as yearend reporting, yearend closing, and budgets. Gain valuable experience with accounts payable, accounts receivable, filing, reconciling, grant management, fund accounting, and audit preparation. Candidates should have experience using Excel.  <i><b>One year's experience in a clerical position required. Each year of approved formal education beyond High School may be substituted for one year of work experience.</b></i></p>
<p><b>WASTEWATER ENGINEERING</b></p> <p><b>TMPPT5375</b>  (LG 5 / \$11.80 per hour)  <b>35 hrs. per week for up to 12 weeks</b></p>	<p>Gain knowledge of the various programs of the Wastewater Engineering Bureau by providing administrative and data support to a diverse group of environmentalists and engineers. You will be responsible for scanning documents, checking forms and reports for proper coding and accuracy with standardized procedures, filing records, correspondence, and forms and other related documentation, data entry, and retrieving information upon request. The ideal candidate should be familiar with using standard office equipment such as a computer, scanner and copier. This opportunity will provide valuable experience that can be applied to work in an office environment.  <i><b>One year's experience in a clerical position required. Each year of approved formal education beyond High School may be substituted for one year of work experience.</b></i></p>

<p><b>AIR ENFORCEMENT</b></p> <p><b>TMPPT5362</b>  <b>(LG 7 / \$12.48 per hour)</b>  <b>35 hrs. per week for up to 12 weeks</b></p>	<p>Do you care about clean air? Do you want to make a difference? This internship will support the NHDES mission to improve air quality and public health by ensuring regulatory compliance and encouraging environmental stewardship. This is an opportunity to see how air rules and statutes are developed and implemented as well as the enforcement and inspection process. Learn about and become actively involved in implementing the New Hampshire Air Pollution Control Act and federal Clean Air Act (CAA). Assist with the collection of missing annual emission reports and unpaid emission fees from permitted facilities. Investigate enforcement cases and draft enforcement actions to address potential violations. Learn how to collect and store compliance data in the NHDES ARD database and participate in data management initiatives. You will perform field work and shadow NHDES staff as they conduct inspections and site specific testing throughout the state. You will review and evaluate environmental records and reports and assist in enhancing the Stationary Source Database (SSD) compliance modules, developing reports from the SSD, and in testing new database modules. You will assist with the creation and dissemination of outreach materials on relevant compliance issues.</p> <p><b><i>One year of experience in the review, analysis and control of electronic data required. Each year of approved formal education beyond High School may be substituted for one year of work experience.</i></b></p>
<p><b>SOLID WASTE RECORDS &amp; DATA</b></p> <p><b>TMPPT5363</b>  <b>(LG 7 / \$12.48 per hour)</b>  <b>35 hrs. per week for up to 12 weeks</b></p>	<p>Gain experience in the various forms of the administrative support required by technical programs within the State government, as well as what is needed to improve customer service, and increase public access to information and program transparency. Work within the Solid Waste Management Bureau's Compliance Assurance Program, processing annual facility reports, evaluating data, and reorganizing bureau files and records for improved access, including access via NHDES-One Stop. Assist with the Solid Waste Operator Training program and with facility compliance inspections and related initiatives. Prepare materials to update solid waste program webpages and forms.</p> <p><b><i>One year of experience in the review, analysis and control of electronic data required. Each year of approved formal education beyond High School may be substituted for one year of work experience.</i></b></p>

<b>ENVIRONMENTAL TECHNICIAN I INTERNSHIPS:</b> <i>The Labor Grade 9 Environmental Technician I listed below require two years of experience performing technical environmental work in air analysis, noise or water quality control, forestry, soils, hydrology, geology, botany, biology or a related environmental. Each additional year of approved formal education beyond High School may be substituted for one year of required experience.</i>	
<b>COASTAL GEOSPATIAL</b>  <b>TMPPT4586</b> <b>(LG9 / \$13.44 per hour)</b> <b>35 hrs. per week for up to 26 weeks</b>	Gain valuable skills related to cutting edge geospatial analysis and field monitoring techniques and be exposed to real-world coastal management issues and solutions, including shoreline erosion protection, flood management control, and invasive species management. Recent research shows that coastal erosion rates are higher than previously known. You will provide assistance to New Hampshire Coastal Program (NHCP) staff with field work and geospatial data collection projects to help identify tidal shoreline with high erosion rates and select priority areas for shoreline erosion protection and flood protection projects. You will assist with organizing geospatial datasets and creating visual products, including maps and other infographics that will be used to communicate spatial information regarding safety risks to prevent flooding to coastal community residents and other stakeholders. A basic knowledge of spatial data analysis (ESRI, ArcGIS) is required. <b><i>This position is based at the Department of Environmental Services -Portsmouth Field Office.</i></b>
<b>DRINKING WATER QUALITY</b>  <b>TMPPT5328</b> <b>(LG9 / \$13.44 per hour)</b> <b>35 hrs. per week for up to 12 weeks</b>	Learn valuable experience collecting and managing data relative to environmental sample collection which will be transferrable to future positions in the private and public sectors. You will assist with the collection of drinking water samples from private wells, populate data collected by field staff following the collection of water quality samples, monitor and update databases and spread sheets with information collected from water samples and review NHDES files for sample results pertaining to MtBE for digital upload into a database.
<b>LAND RESOURCES MANAGEMENT / Pease - Portsmouth NH</b>  <b>( 2 positions available )</b> <b>(LG9 / \$13.44 per hour)</b> <b>35 hrs. per week for up to 16 weeks</b>	Summer is the busiest time of year for processing complaints from the public related to unauthorized activities related to the Wetland, Shoreland, and Alteration of Terrain programs. Gain experience in reviewing technical plans such as wetland delineations, construction plans for new or redevelopment projects, and erosion and sediment control plans of permitted Land Resources Management projects. Increase your knowledge of land development techniques and regulations. Investigate complaints and conduct compliance inspections of permitted projects to ensure permit conditions have been achieved. Attain field experience in documenting site conditions and measuring potential unpermitted impacts found at project sites. Interact with property owners,

	contractors, and environmental professionals. Maintain environmental records and prepares field inspection reports. Enter environmental data into a databases; retrieve, revise, update, and reproduce data as required. This intern will also assist the program in evaluating the effectiveness of erosion and sediment control best management practices and storm water treatment techniques.
<b>LAND RESOURCES MANAGEMENT /Concord</b> <b>(LG9 / \$13.44 per hour)</b> <b>(2 positions available)</b> <b>35 hrs. per week for up to 12 weeks</b>	We hope to attract two strong candidates with complimenting backgrounds in technical engineering plan review as well as wetlands science. Both positions will gain valuable field experience in environmental field data collection, documenting site conditions, communicating with interdisciplinary professionals, technical GIS experience as well as increased knowledge of land development regulations. Refine your technical skills through reviewing engineered site plans, wetland delineations and erosion and sediment control plans of permitted projects; perform field inspections to ensure compliance with permit conditions and protection of water quality; document environmental impacts found at project sites; prepare field inspection reports; and maintain GIS and environmental data to track inspection results regionally and statewide. Training will include field safety, data collection procedures, identification of various storm water treatment practices and introduction to wetland vegetation.
<b>SHELLFISH</b> <b>TMPPT5333/ Pease - Portsmouth NH</b> <b>(LG9 / \$13.44 per hour)</b> <b>35 hrs. per week for up to 12 weeks</b>	Experience a wide range of monitoring protocols and quality control procedures, data management, field research, public health management, and practical experience in management of commercial and recreational shellfish harvest. Regular sampling of tidal waters and shellfish tissues for bacteria, red tide, and other parameters is an essential program requirement to protect public health, and is a required element for required reports to the USFDA. Assist with seawater, shellfish, and pollution source sampling, transportation of samples to Concord, performing shoreline surveys, conducting directed field studies, documenting pollution sources, managing databases, preparing reports, and other activities. <b><i>This position involves off shore field work.</i></b>
<b>SMALL QUANTITY GENERATOR COMPLIANCE</b> <b>TMPPT5329</b> <b>(LG9 / \$13.44 per hour)</b> <b>35 hrs. per week for up to 13 weeks</b>	Learn about the Resource Conservation Recovery Act (RCRA) for hazardous waste management and travel throughout the state visiting small businesses, observing and learning about a wide variety of manufacturing processes and companies within NH. Have the opportunity to become trained as a certified Hazardous Waste Coordinator. You will conduct follow-up visits at Small Quantity Hazardous Waste Generator facilities (i.e., businesses that produce hazardous waste) primarily in Cheshire and Hillsborough counties to provide assistance, help businesses complete the required self-certification forms, and/or collect fees that may not have been

	submitted. This candidate should possess excellent people, communication, and active listening skills. Strong computer and writing skills and the ability to project a professional presence with the public is required.
<b>SOLID WASTE COMPLIANCE</b>  <b>TMPPT5043</b> <b>(LG9 / \$13.44 per hour)</b> <b>35 hrs. per week for up to 12 weeks</b>	Assist with solid waste facility compliance inspections to better ensure protection of public health, safety, and the environment. Provide support in addressing a number of needed improvements related to the post-closure monitoring and maintenance of closed unlined landfills, working directly with the engineers of the solid waste management program. Review annual reports for closed unlined landfills. Assist in updating and organizing solid waste program records, in particular closure plans and related documentation. Inspect and review records to obtain information that is critical to determining how these facilities should be managed in the years ahead. This work experience will provide you with knowledge of state and local regulatory programs, rules and regulations. You will develop project and time management skills, workplace communication skills, and data management and record keeping/documentation skills. You will also have the opportunity to attend solid waste and hazardous waste training classes offered by NHDES during the summer months.
<b>AIR PERMITTING</b>  <b>TMPPT5373</b> <b>(LG9 / \$13.44 per hour)</b> <b>35 hrs. per week for up to 12 weeks</b>	This position will assist the Air Resources Permitting and Environmental Health Bureau (PEHB) in developing and implementing permitting programs. You will be exposed to all aspects of air regulations from regulatory, to permitting and compliance assurance. Have the opportunity to see up close how site inspections are completed, specifically ones related to those facilities for which you have worked on the permit renewal application, see how stack testing is done and visit air monitoring sites throughout the state. Assist with drafting state permits for regulated sources such as wood-fired boilers, emergency engines and asphalt plants. Correspond with regulated sources to obtain additional information during the permitting process. Evaluate environmental records and reports. Prepare application summaries including calculation spreadsheets.
<b>ENGINEERING TECHNICIAN I INTERNSHIPS:</b> <i>The Labor Grade 10 Engineering Technician I listed below requires an Associate's Degree from a recognized college or technical institution with a major study in engineering, hydrology, geology, earth sciences</i>	

or environmental studies, or an equivalent number of qualifying college credits, or two years of experience at a level equivalent to an Engineering Aide	
<b>ENGINEERING TECHNICIAN I</b>  <b>(LG10 / \$13.96 per hour)</b> <b>35 hrs. per week for up to 12 weeks</b>	This position will perform technical engineering duties and other support activities related to design review, construction management, residuals management, asset management, permitting, operations, and inspections under the guidance of senior level engineer. This internship will provide exposure to the many functions of the Wastewater Engineering Bureau (WWEB) such as design review and construction management of wastewater infrastructure projects, NPDES permit writing, NPDES compliance inspections, assisting Wastewater Treatment Facilities with operational issues, and septage and sludge management as well as provide the opportunity to work under the direction of senior level engineers with diversified backgrounds. The ideal candidate will be an engineering student who is working towards obtaining their engineering degree.
<b>ENVIRONMENTAL TECHNICIAN II INTERNSHIPS:</b> <i>The Labor Grade 12 Environmental Technician II Internships listed below require an Associate's Degree from a recognized college of technical college or two years of college with a major study in environmental engineering or one of the physical or biological sciences or other related environmental science and one years' experience performing technical environmental work in air analysis, noise or water quality control, forestry, soils, hydrology, geology, botany, biology or a related environmental. Each additional year of approved formal education or work experience may be substituted for one year of the required education or work experience.</i>	
<b>STREAM CROSSING ASSESSMENT</b>  <b>(2 positions available)</b>  <b>TMPPT5335/ TMPPT5336</b> <b>(LG12 / \$15.04 per hour)</b> <b>35 hrs. per week for up to 12 weeks</b>	Gain skills in river science and in environmental field data collection, experiencing the importance of collecting accurate and scientifically sound data that addresses real world issues. Work as a member of a team collecting field data on steam crossings with emphasis in the Merrimack Valley. Conduct watershed wide surveys using standardized protocols and enter field data in iPad applications designed for this purpose. Learn to compile, organize and report data. After quality control review, address discrepancies to produce high quality datasets to be used by state agencies and towns to prioritize the most problematic infrastructure for replacement, enhancing public safety and reducing flooding risks.
<b>STREAM CROSSING ASSESSMENT &amp; GIS</b>  <b>TMPPT5337</b> <b>(LG12 / \$15.04 per hour)</b> <b>35 hrs. per week for up to 12 weeks</b>	Gain skills in river science and in environmental field data collection, experiencing the importance of collecting accurate and scientifically sound data that addresses real world issues. Work as a member of a team collecting field data on steam crossings with emphasis in the Merrimack Valley. Conduct watershed wide surveys using standardized protocols and upload field data onto iPad applications designed for this purpose. Learn to compile, organize and report data. After quality control review, address

	discrepancies to produce high quality datasets to be used by state agencies and towns to prioritize the most problematic infrastructure for replacement, enhancing public safety and reduces flooding risks. In addition to stream crossing assessment, this Intern will organize watershed data in GIS to support hydraulic calculations by a senior scientist.
<b>SOURCE WATER PROTECTION</b>  <b>TMPPT5339</b> <b>(LG12 / \$15.04 per hour)</b> <b>35 hrs. per week for up to 12 weeks</b>	Contribute to on-going efforts to increase collaboration between the federal Clean Water Act and the Safe Drinking Water Act programs that protect source water quality. Gain an understanding of source water protection activities related to NHDES' Chemical Monitoring Waiver Program and the science related to the conditions supporting cyanobacteria and mitigating precursor conditions. Assignments will include collection and analysis of existing water quality data from public water systems or other entities related to indicators of precursors for cyanobacteria blooms in source water and GIS field experience to document locations of wells and infrastructure (pump houses, etc.) to reduce GIS data inaccuracies or omissions that can affect the design, permitting and compliance decisions of the department and to ensure complete data sets that can confirm compliance with existing rules. Use GIS software to produce maps and basic spatial analysis and complete basic spreadsheet/graphing analytics. Provide outreach assistance with local private well outreach and sampling events that result in greater testing of private wells for common contaminants in groundwater. You will strengthen your GIS/GPS skills, your time management/organizational skills, and increase your understanding of well water sample collection protocols, standards for drinking water, treatment technology options for well water, and designing/using survey or other mechanisms for collecting feedback during community well testing events.
<b>ENVIRONMENTAL TECHNICIAN III INTERNSHIPS:</b> <i>The Labor Grade 14 Environmental Technician III Internships listed below require an Associate's Degree from a recognized college of technical college or two years of college with a major study in environmental engineering or one of the physical or biological sciences or other related environmental science and two years' experience performing technical environmental work in air analysis, noise or water quality control, forestry, soils, hydrology, geology, botany, biology or a related environmental. Each additional year of approved formal education or work experience may be substituted for one year of the required education or work experience.</i>	
<b>SHELLFISH</b>	Experience a wide range of monitoring protocols and quality control procedures, data management, field research, public health management, and practical experience in

<p><b>TMPPT5303/ Pease - Portsmouth NH</b></p> <p><b>(LG14 / \$16.23 per hour)</b></p> <p><b>35 hrs. per week for 26 weeks</b></p>	<p>management of commercial and recreational shellfish harvest. Regular sampling of tidal waters and shellfish tissues for bacteria, red tide, and other parameters is an essential program requirement to properly maintain shellfish water classification to protect public health, a required element for reports to the USFDA as well as to deal with emerging public health issues and new requirements relating to <i>Vibrio parahaemolyticus</i> bacteria, virus contamination from wastewater treatment facilities, and new harmful algal blooms that produce potentially fatal biotoxins. Assist the Shellfish Program in water and tissue sampling, transportation of samples to Concord, performing shoreline surveys, conducting directed field studies, documenting pollution sources, managing databases, maintaining GIS data, preparing reports, and other activities. Take the lead in planning and executing shoreline pollution source surveys and will help oversee one field staff person. <i><b>This position involves off shore field work.</b></i></p>
<p><b>Hazardous Waste Compliance</b></p> <p><b>TMPPT5307</b></p> <p><b>LG14 / \$16.23 per hour)</b></p> <p><b>35 hrs. per week for 15 weeks</b></p>	<p>Assist and support the Hazardous Waste Compliance Section to maintain an inspection presence at 2,221 hazardous waste generating facilities across the state, to prevent future hazardous waste sites and threats to human health and the environment, and to meet EPA funded grant commitments. Conduct field surveys of hazardous waste generator facilities, universal waste handlers, and used oil facilities to document compliance under the NH Hazardous Waste Rules and identify potential violations. Write reports, and prepare recommendations for compliance assistance and enforcement. Identify facilities that have not notified the department of its hazardous waste activities or have notified improperly and are operating under an inaccurate generator classification. You will also have the opportunity to visit recently notified facilities and conduct a welcome wagon type visit to provide general hazardous waste compliance information and provide assistance to the facility. Knowledge of state and federal hazardous waste regulations, a background in organic chemistry and knowledge of industrial manufacturing processes is preferred. A recent college graduate looking for experience in environmental regulatory compliance and enforcement would be ideal.</p>
<p><b>Youth Camp Inspectors</b></p>	<p>Represent the State Youth Camp Inspection program which protects the health &amp; safety of campers and staff at Youth Recreation Camps across the state, and ensures</p>

<p>(3 positions)</p> <p><b>TMPPT1408 /TMPPT1127 / TMPPT2198</b></p> <p><b>LG14 / \$16.23 per hour)</b></p> <p><b>35 hrs. per week for 10 weeks</b></p>	<p>compliance with state regulations. After completing field inspection training and food service inspection training with NHDES and DHHS staff, Youth Camp Inspectors will schedule and complete on-site inspections as well as provide technical assistance to licensed NH Youth Recreation Camps. Inspectors will conduct Water System sanitary surveys, document inspection results, enter and track inspection data, and investigate customer complaints. These internships require strong communication skills and time management skills, the ability to work independently. <i>You must be able to provide your own vehicle for statewide travel (mileage reimbursed).</i></p>
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**\*Note: Internship opportunities are subject to change, based on funding availability.**

Students in all fields of study are welcome to apply to any of the Labor Grade 4 Internships. Internships Labor Grade 5 and above may require specific experience or college level course completion. These additional requirements are noted above.

The standard work week is Monday through Friday. Positions are based in Concord unless otherwise noted.

Interested applicants should complete and submit one application package consisting of a completed state employment application, a cover letter, a resume, an official copy of your most current college transcript, and a completed Contact Information form indicating which positions are of greatest interest. A state employment application can be obtained in the following manner: PDF or Word format on the NHDES website (<http://des.nh.gov/organization/commissioner/hru/>); requested via e-mail at: [hr@des.nh.gov](mailto:hr@des.nh.gov); or by calling Alysa Dow, HR Technician at (603) 271-8875. For hearing-impaired at TDD access: Relay NH 1-800-735-2964. Please note that a resume will not be accepted in lieu of a completed employment application and a complete application package must be submitted for employment consideration this summer, even if you have previously been employed as a NHDES Intern. **EOE**

Criminal background review will be required before hire for all internships. Candidates must be at least 18 years old if the position requires driving a state vehicle, and must satisfactorily pass a driver's record check before hire.

A completed application package can be sent to DES in the following manner: electronic application documents can be sent via e-mail to: [hr@des.nh.gov](mailto:hr@des.nh.gov); paper application documents can be sent via US Mail to NHDES, PO Box 95, Concord, NH 03302-0095 Attn: Alysa Dow, Human Resources; and paper application documents may also be hand delivered to Alysa Dow, Human Resources, NHDES, 29 Hazen Drive, Concord, NH 03301. Please note our business hours are 8 am to 4 pm, Monday through Friday.

**All application packages must be either hand delivered, electronically sent or be postmarked by March 15, 2017.**

*You will be contacted by Alysa Dow if your application package is incomplete. If you are selected for interview, you should expect to be contacted directly by the hiring managers during the month of March.*